

Appn No. 09/608,780
Amtd. Dated September 19, 2005
Response to Office action of August 23, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled).
2. (Currently amended) The method of claim 1-16 wherein the dot size of said adjusted dot or dots is increased if no dot or an undersize dot is printed at the respective specific location.
3. (Currently amended) The method of claim 1-16 wherein the dot size of said adjusted dots is decreased if an oversize drop is printed at the respective specific location.
4. (Currently amended) The method of claim 1-16 wherein dots located both transversely and longitudinally spaced from the respective location are adjusted in size.
5. (Currently amended) The method of claim 1-16 wherein selected oversize adjusted dots contact or overlap adjacent dots.
6. (Currently amended) The method of claim 1-16 wherein selected adjusted size dots do not contact or overlap adjacent dots.
7. (Cancelled).
8. (Currently amended) The printer of claim 7-18 wherein the control means adjusts the size of dots deposited in the same row as the respective specific location by one or both of the devices on either side of the failed device.
9. (Currently amended) The printer of claim 7-18 wherein the control means adjusts the size of dots deposited by one or both of the devices on either side of the failed device at least one row adjacent or near to the row of the respective specific location.
10. (Currently amended) The printer of claim 7-18 wherein if no dot or an undersized dot is produced by activation of the incorrectly operating device the size of dots produced by

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activation of one or both of the devices adjacent to the incorrectly operating device is increased.

11. (Currently amended) The printer of claim 7-18 wherein the devices are thermo mechanical ink ejection devices and said control system causes the ejection devices to be activated for a longer period of time or supplies a larger driving signal, or both.

12. (Currently amended) The printer of claim 7-18 wherein said devices are light emitting devices and wherein the amount of light emitted by said light emitting devices is adjusted.

13. (Currently amended) The printer of claim 7-18 wherein said devices are portions of a photoconductive imaging drum and the dot size of said adjusted dots is adjusted by varying the amount of light the respective device is exposed to.

14. (Currently amended) The printer of claim 7-18 wherein at least some oversize adjusted dots contact or overlap with adjacent dots.

15. (Currently amended) The printer of claim 7-18 wherein adjusted size dots do not overlap contact with adjacent dots.

16. (Currently amended) A method of modifying an image to be digitally printed by a printing device to compensate for failure to correctly print dots of ink at specific locations, the method including the steps of:

identifying a first defective location,
identifying a second location adjacent or near to the defective location;
compensating for the defective location by adjusting the dot size of the second location; wherein
the step of adjusting the dot size of the second location occurs without adjusting the
dot size of the defective location.

17. (Cancelled).

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18. (Currently amended) A printer having a row of activatable devices which, when activated, cause rows of dots to be deposited onto a substrate and means to move the substrate relative to the row of devices in a direction generally perpendicular to the row of dots, said printer including:

analyzing apparatus to determine if one or more of said devices is not operating correctly; and

control means for analysing images or image data and for identifying a first defective location where a dot of ink should be printed by activation of an incorrectly operating device and to determine a second location adjacent or near to the defective location; and compensating means to compensate for the defective location by adjusting the dot size of the second location; wherein

the compensating means adjusts the dot size of the second location occurs without adjusting the dot size of the defective location.

19. (Cancelled).